

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	7843	428/36.91 or 428/36.9 or 428/35.2 or 138/118 or 433/81	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2010/04/09 09:12
L4	1	L3 and (dispersion adj factor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:12
L5	10	l3 and kd	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:13
L6	263247	flexible same tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:14
L7	18414	l6 and polypropylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:14
L8	14	l7 and heterophase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:14
L9	19001	heterophase or (semicrystalline or (semi adj crystalline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:15
L10	349046	polypropylene same polyethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:15
L11	6354	L9 and L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:15
L12	283	l11 and l6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:15
L13	0	dispersion near5 facotr	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:16

L14	4790	dispersion near5 factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:17
L15	968	l14 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:17
L16	227	l15 and polypropylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:17
L17	52	l16 and flexible	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/09 09:17
S1	6838	428/36.91 or 428/36.9 or 428/35.2 or 138/118 or 433/81	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 11:05
S2	2542	S1 and polypropylene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 11:06
S3	1140	S2 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 11:07
S4	417	S3 and olefins	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 11:08
S6	17465	flexural adj modulus	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 11:08
S8	52	S4 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 11:09
S9	101891	polypropylene and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 13:41
S10	15402	S9 and olefin	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 13:42
S11	20	heterophase adj polypropylene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 13:44
S12	2342644	thickness	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 14:08
S13	9416	S10 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 14:08

S14	17465	flexural adj modulus	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 14:12
S15	564	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/04 14:12
S16	117272	polypropylenes and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:38
S17	18114	S16 and olefins	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:39
S18	11158	S17 and thickness	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:39
S19	728	S18 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:39
S20	2951379	mix or mixture or blend	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:42
S21	717	S20 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 15:42
S22	4	("5733617"   "6159566").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/04 16:29
S23	348	dispersion adj factor	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 08:05
S24	17470	flexural adj modulus	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/05 08:05
S25	4	S23 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 08:05
S26	0	S23 near rigid	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 08:18
S27	348	S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/05 08:19
S28	0	S23 near flexibility	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/05 08:19
S29	25	S23 and polypropylene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/03/05 08:19

S30	2	"20030194521"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 11:02
S31	220	evacuation adj orifice	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:20
S32	1940648	S31 or head	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:20
S33	292650	S32 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:21
S34	87995	S33 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:21
S35	15331	S34 and neck	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:23
S36	9113	S35 and wall	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:23
S37	132	S36 and toothpaste	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 14:23
S38	283	206/277	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 15:16
S39	3676	nozzle and reducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S40	1543	S39 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S41	414	S40 and injection	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S42	0	S41 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S43	0	S40 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S44	0	S39 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:33
S45	14	S41 and polyolefin	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/05 16:37

S46	53	dambricourt	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 08:46
S47	51534	reducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:02
S48	3679	nozzle and reducer	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:03
S49	1544	S48 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:03
S50	414	S49 and injection	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:03
S51	103	S50 and (polyolefin or polyethylene or polypropylene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:03
S52	659368	(securing adj means) or cap or (capping adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:20
S53	4286	S52 near nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:20
S54	751	S53 and injection	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:22
S55	50	asymmetric adj thread	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:27
S56	0	S54 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:27
S57	285	S54 and (screw or thread)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 09:27
S58	659368	(securing adj means) or cap or (capping adj means)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 15:55
S59	4286	S58 near nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 15:55
S60	1066	S59 and (screw or thread)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 15:55
S61	518	S60 and single	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 15:55

S62	197	S61 and mold\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/03/06 15:56
S63	1	"10542935"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 11:33
S64	6	"6695169" or "6159566"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 11:52
S65	11756	generatrix	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:27
S66	2468	S65 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:27
S67	2390555	(angle or incline)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:27
S68	1253	S66 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:27
S69	1075	S68 and (axial or direction)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:28
S70	1043	generatrix near3 angle	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:31
S71	201	S70 and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/09/24 14:31
S72	563	dispersion adj factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/12/18 14:36
S73	3411	flex\$3 adj modulus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/12/18 14:36
S74	1	S72 and S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2008/12/18 14:36
S75	7166	428/36.91 or 428/36.9 or 428/35.2 or 138/118 or 433/81	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:36
S76	7166	S75	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:36

S77	2043973	tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:36
S78	4509	toothpast or (tooth adj paste)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:36
S79	3134	S76 and S77	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:37
S80	6	S79 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:37
S81	127008	polypropylenes and tube	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/12/18 14:37
S82	19759	S81 and olefins	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2008/12/18 14:37
S83	19759	S82	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:37
S84	182	S83 and (S72 or S73)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:37
S85	233	evacuation adj orifice	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S86	2062878	S85 or head	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S87	313150	S86 and ring	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S88	313150	S87	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S89	262095	centrifugal	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S90	424	S89 adj radial	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:38
S91	2	S89 adj radial adj tension	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2008/12/18 14:39
S92	1	"10542935"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/11 16:51

S93	1	S92 and reversib\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/11 16:51
S94	1	"10542935"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 10:07
S95	1	S94 and force	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 10:07
S96	1	S94 and centrifugal	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 10:08
S97	1	S96 and flexural	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 10:39
S98	18	"531476"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 10:45
S99	16	"5314746"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 10:45
S100	4	S99 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 10:45
S101	7380	428/36.91 or 428/36.9 or 428/35.2 or 138/118 or 433/81	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 11:04
S102	2736	S101 and polypropylene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/06/12 11:04
S103	19164	flexural adj modulus	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:04
S104	169	S102 and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:04
S105	4065784	full\$3 or reversib\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:04
S106	6550273	full\$3 or complete\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:05



S107	48450	S106 same reversibl\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:05
S108	4609	S107 same tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:05
S109	86	S108 and polypropylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:05
S110	2	S109 and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:06
S111	2	S109 and S101	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/06/12 11:06
S112	4	"2001068355"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/10/19 10:24
S113	18354	heterophase or (semicrystalline or (semi adj crystalline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:00
S114	339014	polypropylene same polyethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:01
S115	1676	S113 same S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:01
S116	549	S115 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:01
S117	9	flexural adj modulus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:02
S118	20478	flexural adj modulus	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:02
S119	70	S116 and S118	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 10:02

S120	18354	heterophase or (semicrystalline or (semi adj crystalline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S121	339014	polypropylene same polyethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S122	1676	S120 same S121	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S123	549	S122 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S124	997	S122 same copolymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S125	314	S124 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/02 12:56
S126	4	"10221728"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:04
S127	7638	428/36.91 or 428/36.9 or 428/35.2 or 138/118 or 433/81	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2009/12/04 15:08
S128	9626	S127 or 222/215 or 264/478	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:08
S129	21	heterophase adj polypropylene	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09
S130	0	S128 and S129	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09
S131	4293	S128 and tube	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09
S132	1603	S131 and polypropylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09

S133	18370	heterophase or (semicrystalline or (semi adj crystalline))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09
S134	98	S132 and S133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:09
S135	0	erik adj kashnikow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:39
S136	26	kashnikow and erik	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 15:40
S137	0	S128 and ((tube and heterophase and polypropylene).clm.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 16:10
S138	1	S128 and ((heterophase and polypropylene).clm.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2009/12/04 16:11
S139	1	"10543077"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/08 16:39
S140	1	"10542935"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2010/04/08 16:40

**4/ 9/ 2010 9:18:22 AM**

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toothpaste tube.wsp**